

LOWER COLORADO RIVER BASIN-LAKE MEAD, MEADOW VALLEY WASH

09418500 MEADOW VALLEY WASH NEAR CALIENTE, NV

LOCATION.--Lat 37°33'30.16", long 114°33'47" referenced to North American Datum of 1983, in SW 1/4 NE 1/4 sec. 35, T.4S., R.66 E., Lincoln County, Hydrologic Unit 15010013, on left bank, 0.5 mi east of Etna, 4.5 mi southwest of Caliente, and 6 mi downstream from Clover Creek.

DRAINAGE AREA.--1,670 mi².

PERIOD OF RECORD.--January 1951 to September 1960, November 1964 to September 1983, and October 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,200 ft above National Geodetic Vertical Datum of 1929, by barometer. Prior to June 16, 1955, at site 1.8 mi downstream at different datum. Prior to October 29, 1998 at site 3.0 mi downstream at different datum.

REMARKS.--Records poor. Beaver activity in the immediate vicinity of the gage created severe backwater conditions for most of the year. Several diversions for irrigation above station. [See schematic diagram of Lower Colorado River Basins.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 2,400 ft³/s, March 5, 1978, gage height, 9.41 ft, from floodmarks; maximum gage height, 12.58 ft, March 28, 1998; no flow at times some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
December 10	0900	*492	*8.67				No other peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.11	e0.10	e0.10	e0.27	e0.11	e0.42	e0.50	e2.4	e0.04	e0.23	e0.66	e0.47
2	e0.11	e0.11	e0.07	e0.29	e0.17	e0.61	e1.5	e2.2	e0.11	e0.32	e0.66	e0.46
3	e0.11	e0.12	e0.08	e0.29	e0.27	e0.88	4.2	e0.97	e0.10	e0.39	e0.61	e0.47
4	e0.11	e0.10	e0.10	e0.27	e0.24	e0.87	4.2	e0.62	e0.12	e0.42	e0.60	e0.48
5	e0.11	e0.11	e0.09	e0.25	e0.22	e0.83	2.2	e0.41	e0.11	e0.40	e0.58	e0.49
6	e0.12	e0.11	0.08	e0.22	e0.20	e0.64	0.81	e0.32	e0.11	e0.42	e0.57	e0.48
7	e0.12	e0.10	e0.11	e0.19	e0.18	e0.56	0.22	e0.27	e0.11	e0.18	e0.54	e0.43
8	e0.12	e0.10	e0.10	e0.17	e0.18	e0.58	0.39	e0.13	e0.09	0.06	e0.54	e0.40
9	e0.11	e0.12	e0.10	e0.19	e0.17	e0.73	e0.41	e0.14	e0.06	0.05	e0.53	13
10	e0.11	e0.11	e0.11	e0.20	e0.18	0.84	e0.49	e0.12	e0.08	0.00	e0.51	0.87
11	e0.11	e0.10	e0.10	e0.20	e0.17	0.67	0.57	e0.11	e0.07	0.00	e0.50	0.14
12	e0.11	e0.25	e0.11	e0.13	e0.17	0.71	e0.90	0.29	e0.05	0.00	e0.47	0.05
13	e0.11	e0.35	e0.11	e0.10	e0.17	0.80	e1.7	e0.18	e0.11	0.00	e0.43	0.11
14	e0.11	e0.28	e0.12	e0.09	e0.17	1.1	e2.0	e0.16	e0.07	0.00	e0.42	0.34
15	e0.11	e0.20	e0.10	e0.09	e0.17	e0.98	e2.1	e0.12	e0.04	0.00	e0.41	0.31
16	e0.11	e0.15	e0.12	e0.10	e0.17	e1.0	e2.2	e0.11	e0.09	0.00	e0.40	0.32
17	e0.11	e0.10	e0.13	e0.10	e0.17	e0.97	e1.4	e0.14	e0.08	0.00	e0.40	0.20
18	e0.10	e0.11	0.11	e0.11	e0.17	e0.96	e1.5	e0.11	0.04	0.00	e0.38	0.01
19	e0.11	e0.08	0.18	e0.11	e0.17	e0.97	e1.6	e0.10	e0.06	0.00	e0.37	0.00
20	e0.11	e0.08	0.27	e0.10	e0.17	e1.0	e1.5	e0.11	e0.10	0.00	e0.58	0.00
21	e0.09	e0.08	e0.29	e0.11	e0.17	e1.0	e1.4	e0.10	e0.08	0.00	e0.77	0.00
22	e0.10	0.05	e0.30	e0.11	e0.17	e1.1	e1.3	e0.10	e0.09	0.00	0.80	0.00
23	e0.10	e0.09	e0.28	e0.11	e0.17	e0.93	e1.2	e0.10	e0.14	0.08	e0.54	0.01
24	e0.10	e0.12	e0.27	e0.12	e0.18	e0.73	e1.3	e0.16	e0.23	e0.95	e0.48	0.03
25	e0.10	e0.09	e0.57	e0.10	e0.20	e0.58	e1.5	e0.10	e0.33	e0.93	e0.45	0.00
26	e0.10	e0.11	e0.55	e0.10	e0.30	e0.58	e1.4	e0.16	e0.37	e0.90	e0.47	0.00
27	0.08	e0.12	e0.43	e0.12	e0.27	e0.58	e1.4	e0.09	e0.39	e0.87	e0.46	0.01
28	e0.10	0.06	e0.39	e0.10	e0.30	e0.50	e1.6	e0.11	e0.27	e0.80	e0.45	0.05
29	e0.09	0.05	e0.29	e0.13	e0.39	e0.50	e1.9	e0.11	e0.34	e0.78	e0.44	0.01
30	e0.10	0.05	e0.23	e0.14	---	e0.50	e2.6	e0.11	e0.19	e0.74	e0.46	0.02
31	e0.11	---	e0.26	e0.10	---	e0.35	---	e0.09	---	e0.70	e0.45	---
TOTAL	3.29	3.60	6.15	4.71	5.77	23.47	45.99	10.24	4.07	9.22	15.93	19.16
MEAN	0.11	0.12	0.20	0.15	0.20	0.76	1.53	0.33	0.14	0.30	0.51	0.64
MAX	0.12	0.35	0.57	0.29	0.39	1.1	4.2	2.4	0.39	0.95	0.80	13
MIN	0.08	0.05	0.07	0.09	0.11	0.35	0.22	0.09	0.04	0.00	0.37	0.00
AC-FT	6.5	7.1	12	9.3	11	47	91	20	8.1	18	32	38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	2.76	4.19	6.87	12.5	26.5	33.5	16.2	5.75	2.94	2.69	4.73	2.61
(WY)	(1973)	(1958)	(1952)	(1993)	(1993)	(1978)	(1969)	(1998)	(1998)	(1956)	(1955)	(1998)
MIN	0.11	0.12	0.20	0.15	0.20	0.76	0.66	0.33	0.10	0.04	0.08	0.11
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1951 - 2004
ANNUAL TOTAL	257.43	151.60	
ANNUAL MEAN	0.71	0.41	10.2
HIGHEST ANNUAL MEAN			61.5
LOWEST ANNUAL MEAN			0.41
HIGHEST DAILY MEAN	29	Aug 15	1993
LOWEST DAILY MEAN	0.00	Aug 3	2004
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 3	
MAXIMUM PEAK FLOW			
MAXIMUM PEAK STAGE			
ANNUAL RUNOFF (AC-FT)	511	301	7,430
10 PERCENT EXCEEDS	1.4	0.94	15
50 PERCENT EXCEEDS	0.42	0.17	3.3
90 PERCENT EXCEEDS	0.07	0.06	0.97

e Estimated